

**BIODEGRADABLE FILMS HAVING ENHANCED DUCTILITY
AND BREATHABILITY**

5

ABSTRACT OF THE INVENTION

10 The present invention is directed to biodegradable films and biodegradable precursor films having enhanced breathability and ductility. The films contain a biodegradable polymer and a water soluble polymer. The biodegradable polymer is preferably polycaprolactone, and the water soluble polymer is preferably polyethylene oxide. The precursor film of the present invention preferably has a water vapor transmission rate of at least 500 g/24hrs/m². The biodegradable film of the present invention preferably has a water vapor transmission rate of at least 2500 g/24hrs/m².

15

20

25 KS Docket No. 44040-228353 (11302-0820)
 KC No. 15,442